

TITLE: COMPOSITIONS AND METHODS FOR REGULATING APOPTOSIS  
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APPLICATION NO. Not yet assigned  
DOCKET NO.: PU-0011  
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SHEET 1 OF 14

JC971 U.S. PTO  
09/09/96  
09/28/01

Smac/DIABLO  
Reaper  
Grim  
Hid  
hCasp-9  
mCasp-9  
xCasp-9

↓

A	V	P	I	A	Q	K
A	V	A	F	Y	I	P
A	I	A	Y	F	L	P
A	V	P	F	Y	L	P
A	T	P	F	Q	E	G
A	V	P	Y	Q	E	G
A	T	P	V	F	S	G

Fig. 1

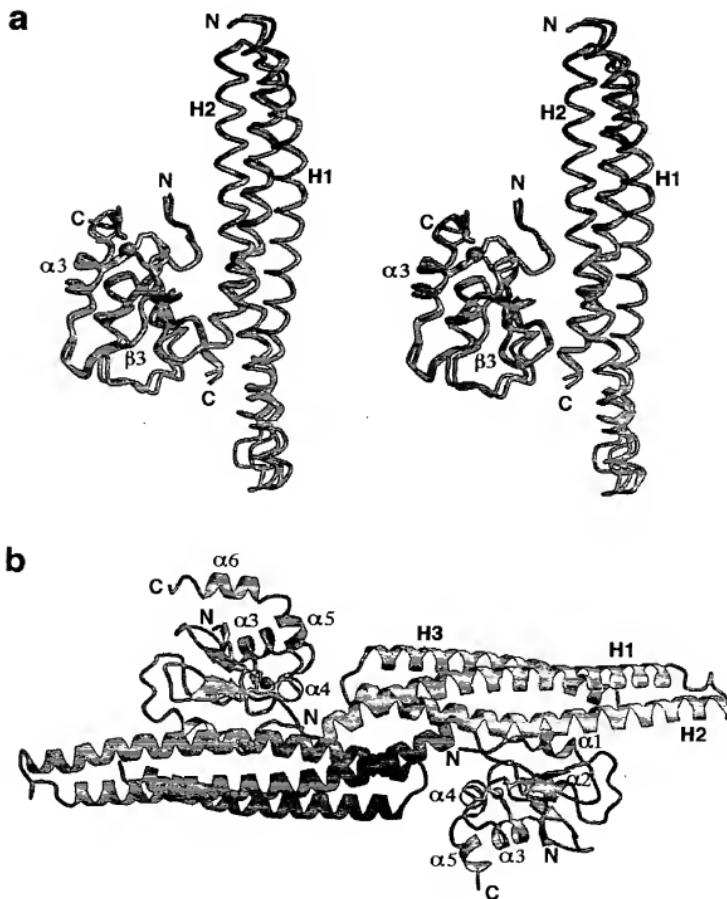


Fig. 2

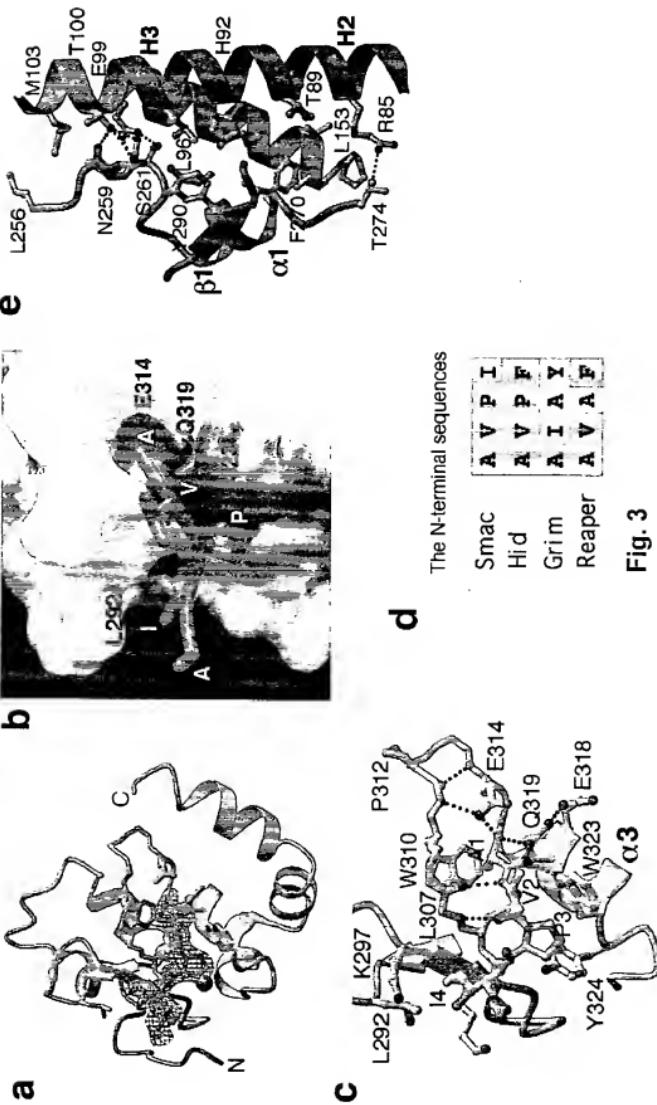
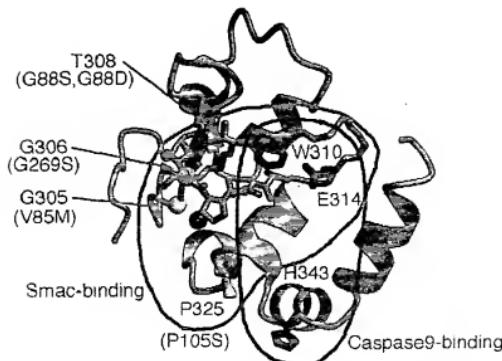


Fig. 3

a



b

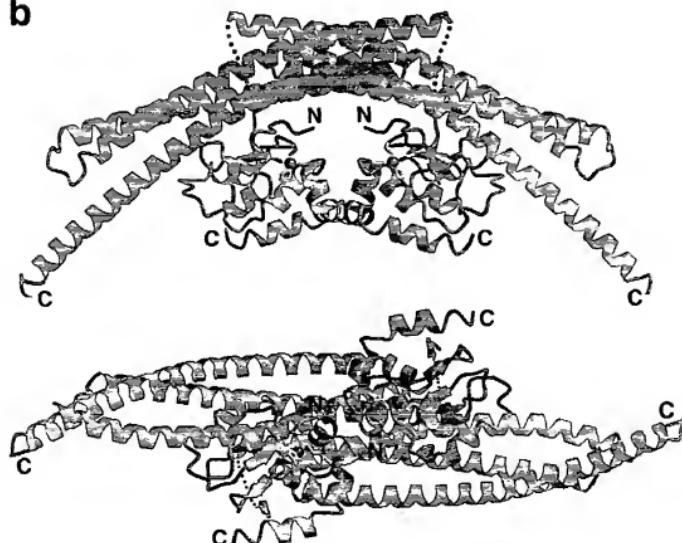


Fig. 4

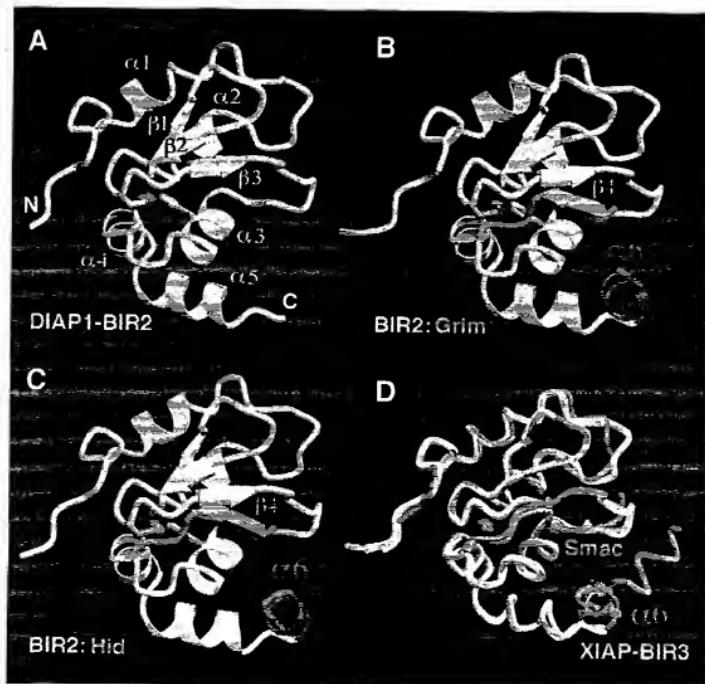
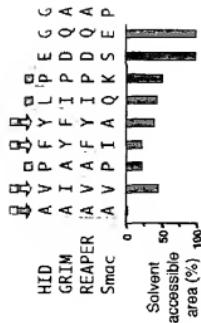


Fig. 5

A



B

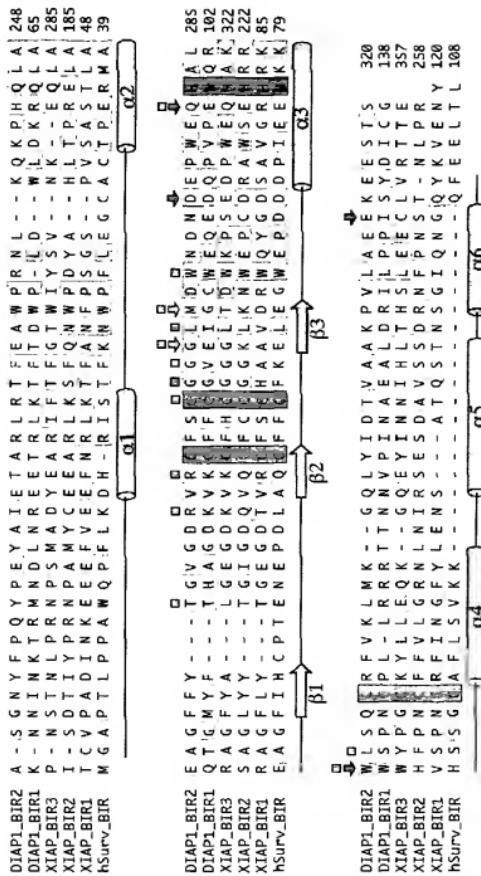


Fig. 6

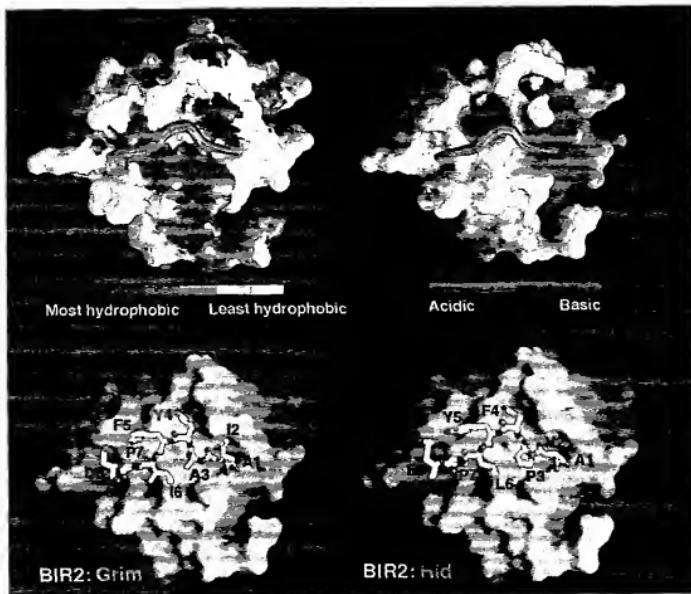


Fig. 7

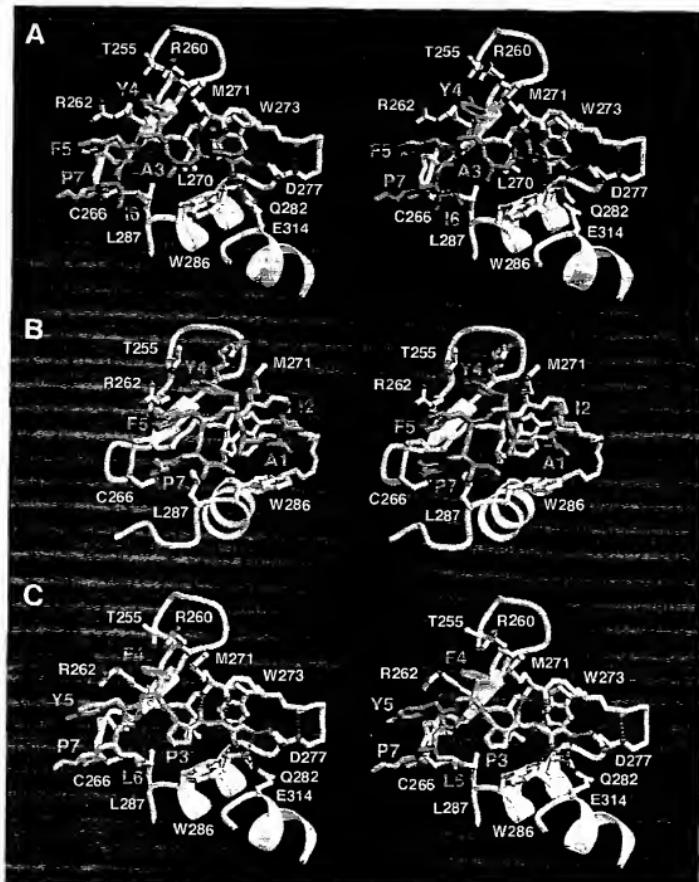


Fig. 8

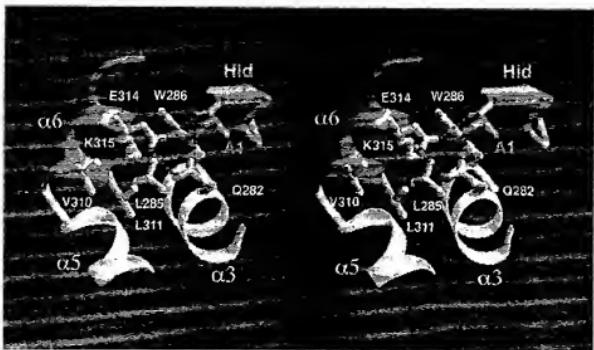
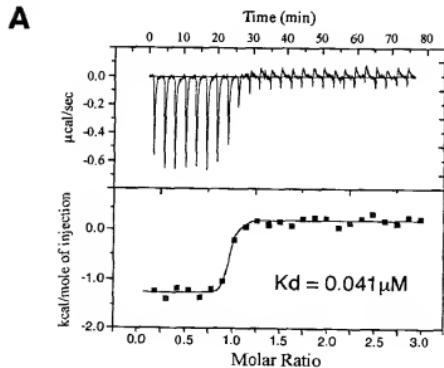


Fig. 9



**B**

Peptide	Dissociation constants ( $\mu\text{M}$ )	
	DIAP1-BIR2	XIAP-BIR3
Grim	0.24	12.6
Hid	0.041	0.12
Smac	n/a	0.55
Casp-9	n/a	0.25

Fig. 10

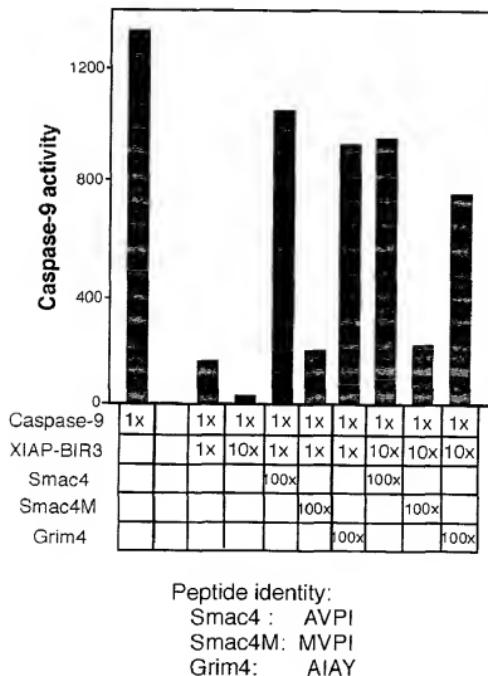


Fig. 11

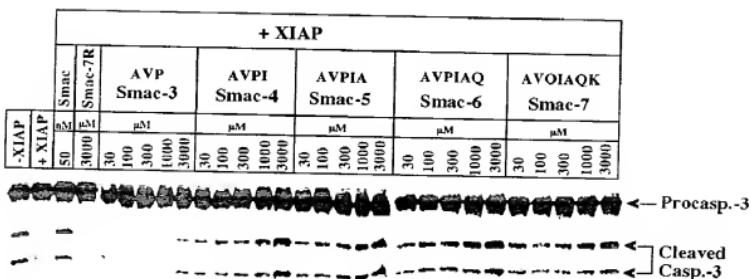


Fig. 12

a

Smac: NH2-[MTS]-AVPIA QKSEP.....  
Hid: NH2-M-AVPFY LPEGG.....  
Reaper: NH2-M-AVAFY IPDQA.....  
Grim: NH2-M-AIAYF IPDQA.....

b

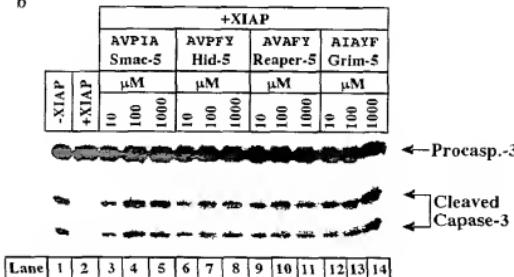


Fig. 13

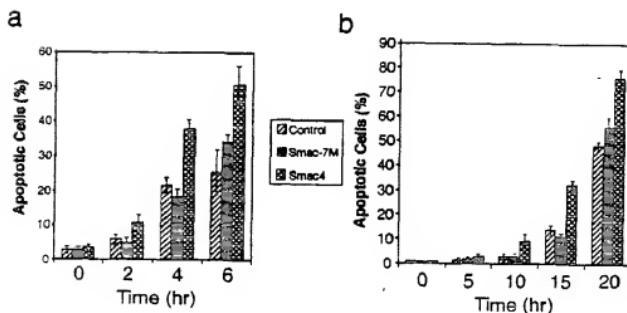


Fig. 14